

STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

MISSOURI CLEAN WATER COMMISSION



MISSOURI STATE OPERATING PERMIT

In compliance with the Missouri Clean Water Law, (Chapter 644 R.S. Mo. as amended, hereinafter, the Law), and the Federal Water Pollution Control Act (Public Law 92-500, 92nd Congress) as amended,

Permit No. MO-0111741

Owner: Jackie Thomas
Address: 1722 Lawrence 2020, Golden City, MO 64748

Continuing Authority: T & C Disposal, Inc.
Address: 19085 Highway K, Aurora, MO 65605

Facility Name: T & C Disposal, Inc. Landfill
Facility Address: Rt. 2, Box 69, Verona, MO 65769

Legal Description: NE ¼, SE ¼, Sec. 19, T27N, R26W, Lawrence County
Latitude/Longitude: +3702101/-09348333

Receiving Stream: Unnamed Tributary to Honey Creek (U)
First Classified Stream and ID: Honey Creek (P)(03169)
USGS Basin & Sub-watershed No.: (11070207-010002)

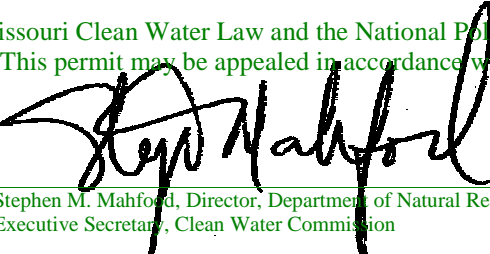
is authorized to discharge from the facility described herein, in accordance with the effluent limitations and monitoring requirements as set forth herein:

FACILITY DESCRIPTION

Outfall #001 - Closed Sanitary Landfill - SIC#4953
Storm water runoff.

This permit authorizes only wastewater discharges under the Missouri Clean Water Law and the National Pollutant Discharge Elimination System; it does not apply to other regulated areas. This permit may be appealed in accordance with Section 644.051.6 of the Law.

February 8, 2002
Effective Date


Stephen M. Mahford, Director, Department of Natural Resources
Executive Secretary, Clean Water Commission

February 7, 2007
Expiration Date
MO 780-0041 (10-93)

Interim Director of Staff, Clean Water Commission

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS					PAGE NUMBER 2 of 6	
					PERMIT NUMBER MO-0111741	
The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The final effluent limitations shall become effective upon issuance and remain in effect until expiration of the permit. Such discharges shall be controlled, limited and monitored by the permittee as specified below:						
OUTFALL NUMBER AND EFFLUENT PARAMETER(S)	UNITS	FINAL EFFLUENT LIMITATIONS			MONITORING REQUIREMENTS	
		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
<u>Outfall #001</u>						
Flow-m ³ /Day	MGD	*		*	once/discharge/ quarter	24 hr. estimate
BETX	mg/L	0.75		0.75	once/discharge/ quarter	**
Biochemical Oxygen Demand ₅	mg/L	60		45	once/discharge/ quarter	**
Chemical Oxygen Demand	mg/L	120		90	once/discharge/ quarter	**
Non-Filterable Residue (Total Suspended Solids)	mg/L	80		60	once/discharge/ quarter	**
Rainfall***	in/day	*		*	once/discharge/ quarter	24 hr. total
pH - Units	SU	****		****	once/discharge/ quarter	**
Settleable Solids	ml/l/hr	1.5		1.0	once/discharge/ quarter	**
Total Dissolved Solids	mg/L	*		*	once/discharge/ quarter	**
Conductivity (Specific Conductance)	umhos/cm	*		*	once/discharge/ quarter	**
Chloride plus Sulfates	mg/L	1,000			once/discharge/ quarter	**
Boron	mg/L	*		*	once/discharge/ quarter	**
MONITORING REPORTS SHALL BE SUBMITTED <u>QUARTERLY</u> ; THE FIRST REPORT IS DUE <u>April 28, 2002</u> . THERE SHALL BE NO DISCHARGE OF FLOATING SOLIDS OR VISIBLE FOAM IN OTHER THAN TRACE AMOUNTS.						
B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Parts I</u> STANDARD CONDITIONS DATED <u>October 1, 1980</u> , AND HEREBY INCORPORATED AS THOUGH FULLY SET FORTH HEREIN.						

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)					PAGE NUMBER 3 of 6	
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		DAILY MAXIMUM	WEEKLY AVERAGE	MONTHLY AVERAGE	MEASUREMENT FREQUENCY	SAMPLE TYPE
Outfall #001 (continued)						
Total Hardness	mg/L	*		*	once/discharge/year	**
Barium, Total Recoverable	mg/L	*		*	once/discharge/year	**
Boron, Total Recoverable	mg/L	*		*	once/discharge year	**
Cadmium, Total Recoverable	mg/L	*		*	once/discharge year	**
Chromium, Total Recoverable	mg/L	*		*	once/discharge year	**
Cobalt, Total Recoverable	mg/L	*		*	once/discharge year	**
Copper, Total Recoverable	mg/L	*		*	once/discharge year	**
Sodium, Total	mg/L	*		*	once/discharge year	**
Ammonia as N	mg/L	*		*	once/discharge year	**
Nitrate and Nitrite as N	mg/L	*		*	once/discharge year	**
Phosphorus, Total	mg/L	*		*	once/discharge year	**
Mercury, Total Recoverable	mg/L	*		*	once/discharge year	**
Arsenic, Total Recoverable	mg/L	*		*	once/discharge year	**
Lead, Total Recoverable	mg/L	*		*	once/discharge year	**
Selenium, Total Recoverable	mg/L	*		*	once/discharge year	**
Silver, Total Recoverable	mg/L	*		*	once/discharge year	**
Manganese Total Recoverable	mg/L	*		*	once/discharge year	**
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B. STANDARD CONDITIONS						
IN ADDITION TO SPECIFIED CONDITIONS STATED HEREIN, THIS PERMIT IS SUBJECT TO THE ATTACHED <u>Parts I & III</u> STANDARD CONDITIONS DATED <u>October 1, 1980 and August 15, 1994</u> , AND HEREBY INCORPORATED AS <u>THOUGH FULLY SET FORTH HEREIN</u> .						

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<u>Outfall #001</u>						
Calcium	mg/L	*		*	once/discharge year	**
Fluoride	mg/L	*		*	once/discharge year	**
Magnesium, Total Recoverable	mg/L	*		*	once/discharge year	**
Zinc, Total Recoverable	mg/L	*		*	once/discharge year	**
Antimony, Total Recoverable	µg/L	*		*	once/year	**
Beryllium, Total Recoverable	µg/L	*		*	once/year	**
Nickel, Total Recoverable	µg/L	*		*	once/year	**
Sulfate	mg/L	*		*	once/year	**
Thallium, Total Recoverable	µg/L	*		*	once/year	**
Total Organic Carbon	mg/L	*		*	once/year	**
Vanadium, Total Recoverable	µg/L	*		*	once/year	**
Oil & Grease	mg/L	15		10	once/year	**
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A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (continued)

- * Monitoring requirement only.
- ** One grab sample taken within the first hour of a storm water discharge event.
- *** This value shall represent the total rainfall amount occurring at this location during each 24-hour period in which rainfall occurs.
- **** pH is measured in pH units and is not to be averaged. The pH is limited to the range of 6.0-9.0 pH units.

C. SPECIAL CONDITIONS

1. Outfall #001 shall be monitored 1800 ft. west of the northeast corner of the NE ¼, SE1/4, Sec. 19, T27N, R26W, Lawrence County.
2. All leachate shall be handled in accordance with the Solid Waste Disposal Area Operating Permit, Report of Approval of Plans and Specifications (with conditions) so that there is no discharge or runoff.
3. The Best Management Practices (BMP) plan covering erosion and sediment control shall be adhered to at all times. A copy of the plans must be kept by the owner and made available upon request to representatives of the Department.
4. Permittee may request termination of the permit when the landfill is properly closed, vegetation is established, and the landfill has been recognized as properly closed by the Department's Waste Management Program.
5. This permit may be reopened and modified, or alternatively revoked and reissued, to:
 - (a) Comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 304(b)(2), and 307(a) (2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
 - (1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
 - (2) controls any pollutant not limited in the permit.
 - (b) Incorporate new or modified effluent limitations or other conditions, if the result of a waste load allocation study, toxicity test or other information indicates changes are necessary to assure compliance with Missouri's Water Quality Standards.
 - (c) Incorporate new or modified effluent limitations or other conditions if, as the result of a watershed analysis, a Total Maximum Daily Load (TMDL) limitation is developed for the receiving waters which are currently included in Missouri's list of waters of the state not fully achieving the state's water quality standards, also called the 303(d) list.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Clean Water Act then applicable.
6. All outfalls must be clearly marked in the field.
7. Changes in Discharges of Toxic Substances

The permittee shall notify the Director as soon as it knows or has reason to believe:

- (a) That any activity has occurred or will occur which would result in the discharge of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels:"
 - (1) One hundred micrograms per liter (100 µg/L);
 - (2) Two hundred micrograms per liter (200 µg/L) for acrolein and acrylonitrile; five hundred micrograms per liter (500 µg/L) for 2,5 dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter (1 mg/L) for antimony;
 - (3) Five (5) times the maximum concentration value reported for the pollutant in the permit application;
 - (4) The level established in Part A of the permit by the Director.
 - (b) That they have begun or expect to begin to use or manufacture as an intermediate or final product or byproduct any toxic pollutant, which was not reported in the permit application.
8. Report as no-discharge when a discharge does not occur during the report period.

C. SPECIAL CONDITIONS (continued)

9. General Criteria. The following water quality criteria shall be applicable to all waters of the state at all times including mixing zones. No water contaminant, by itself or in combination with other substances, shall prevent the waters of the state from meeting the following conditions:
 - (a) Waters shall be free from substances in sufficient amounts to cause the formation of putrescent, unsightly or harmful bottom deposits or prevent full maintenance of beneficial uses;
 - (b) Waters shall be free from oil, scum and floating debris in sufficient amounts to be unsightly or prevent full maintenance of beneficial uses;
 - (c) Waters shall be free from substances in sufficient amounts to cause unsightly color or turbidity, offensive odor or prevent full maintenance of beneficial uses;
 - (d) Waters shall be free from substances or conditions in sufficient amounts to result in toxicity to human, animal or aquatic life;
 - (e) There shall be no significant human health hazard from incidental contact with the water;
 - (f) There shall be no acute toxicity to livestock or wildlife watering;
 - (g) Waters shall be free from physical, chemical or hydrologic changes that would impair the natural biological community;
 - (h) Waters shall be free from used tires, car bodies, appliances, demolition debris, used vehicles or equipment and solid waste as defined in Missouri's Solid Waste Law, section 260.200, RSMo, except as the use of such materials is specifically permitted pursuant to section 260.200-260.247.